

Listing of Claims

Claims 1-8 (canceled)

9 (new) An article of manufacture comprising, packaged together:

- (i) a reporter molecule comprising a fluorescent label and a phosphorylated amino acid,
- (ii) an antibody which selectively binds to a molecule comprising said phosphorylated amino acid; and
- (iii) a substrate molecule comprising the same amino acid molecule that is phosphorylated in said reporter molecule;
wherein said substrate molecule is labeled with an acceptor fluorophore and
wherein said antibody is labeled with a donor fluorophore which corresponds to
the acceptor fluorophore labeling said substrate molecule.

10. (new) The article of manufacture of claim 9 wherein said phosphorylated amino acid is selected from the group consisting of serine, threonine and tyrosine.

11. (new) The article of manufacture of claim 9 further comprising an enzyme selected from the group consisting of kinases and phosphatases.

12. (new) The article of manufacture of claim 11 wherein the enzyme is a kinase.

13. (new) The article of manufacture of claim 11 wherein the enzyme is a phosphatase.

14. (new). The article of manufacture of claim 9 further comprising a phosphate source.

15. (new) The article of manufacture of claim 14 further comprising an enzyme selected from the group consisting of kinases and phosphatases.

16. (new) The article of manufacture of claim 15 wherein the enzyme is a kinase.

17. (new) The article of manufacture of claim 15 wherein the enzyme is a phosphatase.

18. (new) The article of manufacture of claim 9 further comprising a phosphate acceptor.

19. (new)The article of manufacture of claim 14 further comprising an enzyme selected from the group consisting of kinases and phosphatases.
20. (new) The article of manufacture of claim 19 wherein the enzyme is a kinase.
21. (new) The article of manufacture of claim 19 wherein the enzyme is a phosphatase.
22. (new) An article of manufacture comprising, packaged together:
 - (i) a reporter molecule comprising a fluorescent label and a phosphorylated amino acid,
 - (ii) an antibody which selectively binds to a molecule comprising said phosphorylated amino acid; and
 - (iii) a substrate molecule comprising the same amino acid molecule that is phosphorylated in said reporter molecule;
wherein said substrate molecule is labeled with an donor fluorophore and wherein said antibody is labeled with a acceptor fluorophore which corresponds to the donor fluorophore labeling said substrate.
23. (new)The article of manufacture of claim 22 wherein said phosphorylated amino acid is selected from the group consisting of serine, threonine and tyrosine.
24. (new)The article of manufacture of claim 22 further comprising an enzyme selected from the group consisting of kinases and phosphatases.
25. (new) The article of manufacture of claim 24 wherein the enzyme is a kinase.
26. (new) The article of manufacture of claim 24 wherein the enzyme is a phosphatase.
25. (new)The article of manufacture of claim 22 further comprising a phosphate source.
26. (new)The article of manufacture of claim 25 further comprising an enzyme selected from the group consisting of kinases and phosphatases.
27. (new) The article of manufacture of claim 26 wherein the enzyme is a kinase.

28. (new) The article of manufacture of claim 26 wherein the enzyme is a phosphatase.
29. (new) The article of manufacture of claim 22 further comprising a phosphate acceptor.
30. (new) The article of manufacture of claim 29 further comprising an enzyme selected from the group consisting of kinases and phosphatases.
31. (new) The article of manufacture of claim 30 wherein the enzyme is a kinase.
32. (new) The article of manufacture of claim 30 wherein the enzyme is a phosphatase.